

Nio Color 3MP HB (MDNC-3121)

3 MegaPixel high bright color display system



Nio Color 3MP is an industry-standard 3 MegaPixel color display system for dependable diagnostic viewing in high bright color.

Confident color reading

Equipped with proven LCD technology, Nio Color 3MP delivers excellent brightness and contrast along with a wide viewing angle. It is your guarantee for confident color reading.

Nio Color 3MP provides an effective display solution for a multitude of applications and modalities, including 3D PACS, 3D echo, ultrasound, orthopedic imaging, CAD, image fusion, nuclear medicine and PET.

The Nio Color 3MP display system includes:

- A 3 MegaPixel color flat panel display
- MediCal QAWeb software for automated calibration and Quality Assurance
- A high-speed, high-performance display controller: check the compatibility matrix

Technical specifications

Screen technology	TFT AM Color LCD IPS
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	432 x 324 mm (17.0 x 12.8")
Aspect ratio (H:V)	4:3
Resolution	3MP (2048 x 1536)
Pixel pitch	0.2115 mm
Color imaging	Yes
Gray imaging	Yes
Color support	30 bit
Viewing angle (H, V)	176°
Uniform Luminance Technology (ULT)	Yes
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	Yes
I-Guard	No
Maximum luminance	800 cd/m ²
DICOM calibrated luminance (ULT off)	400 cd/m ²
Contrast ratio (ULT off)	750:1
Response time (Tr + Tf)	24 ms
Video input signals	DVI-D Dual Link
USB ports	1 upstream (endpoint), 2 downstream
USB standard	2.0
Power consumption (nominal)	72W
Power save mode	Yes
Dimensions with stand (W x H x D)	Portrait: 382 x 530~590 x 250 mm Landscape: 488 x 480~540 x 250 mm
Dimensions w/o stand (W x H x D)	Portrait: 382 x 488 x 115 mm Landscape: 488 x 382 x 115 mm
Net weight with stand	12.0 kg
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective PMMA cover
Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO. 601.1-M90, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 2ND EDITION, CE - 2004/108/EC, CE - 93/42/EC, A1:2007/47/EC CLASS IIB, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, BSMI - CNS13438(95) + CNS14336(94), ICES-001 level B, KCC, VCCI, FCC class B, FDA 510, RoHs
Supplied accessories	Getting Started Guide Quick-Installation Sheet Video cable (DVI Dual Link) Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) USB 2.0 cable External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Warranty	5 years